WHAT IS CLAIMED IS:

1. A computer firewall system, mainly dividing a hard disk drive into a plurality of partition areas, and the location of each partition area being recorded as a location data, and respectively defined as: a write once partition that can only be written in for one time and the partition area becomes read only thereafter, and any attempt to write in the partition area is warned and requested to confirm a write warning partition and a freely accessed free partition area;
when a program at the system end accesses the partition area, a partition area comparator compares the location data; if the accessing partition area belongs to a write once partition area, then the write in signal of the hard disk drive is disabled, an interrupt signal is sent to notice the firewall firmware by audio or video to inform the user; if the accessing partition area belongs to the write warning partition area, then a warning is issued to request the user to input a password for confirmation, or else the system refuses the writing in of the data, and in the meantime the partition area comparator sends an interrupt signal to notice the firewall firmware by audio or video message to inform the user; if the accessing partition belongs to the free partition area, then the data can be freely accessed.

2. The computer firewall system as claimed in claim 1, wherein said location of the partition area recorded by a recording device may further have a write protect measure.

3. The computer firewall system as claimed in claim 2, wherein said

write protect measure is accomplished by adding a write protect pin to the exterior of the recording device.

4. The computer firewall system as claimed in claims 1, 2, or 3, wherein said location data is recorded by a storage device selected from an electronic erasable memory, a flask memory, and a programmable array logic.

5. The computer firewall system as claimed in claims 1, 2, or 3, wherein said location data is recorded into the BIOS, and said BIOS has a write protect function against the rewrite by unauthorized person.

6. The computer firewall system as claimed in claims 1, 2, or 3, wherein said interrupt request signal is converted into a DMA signal, and the firewall firmware is stored in the DMA memory handler so that it can be used for IDE or SCSI hard disk drive interface.

7. The computer firewall system as claimed in claims 1, 2, or 3, wherein said firewall system is stored in the hard disk controller, and can further be stored in the circuit of the hard disk drive having a recording device for recording the location data.